

5'	CTC	GAG	CCG	CGG	CTG	TCT	GAC	TTC	CTC	CCA	GCA	CAT	TCC	TGC	ACT	CTG	CCG	TGT	54
9						18		27			36				45				
63	CCA	CAC	TGC	CCC	ACA	GAC	CCA	GTC	CTC	CAA	GCC	TGC	TGC	CAG	CTC	CCT	GCA	AGC	108
72						81		90							99				
117	CCC	TCA	GGT	TGG	GCC	TTG	CCA	CGG	TGC	CAG	GCA	GCC	CTG	GCC	TGG	GGG	TAG	162	
126						135		144							153				
171	GGG	ACT	CCC	TAC	AGG	CAC	GCA	GCC	CTG	AGA	CCT	CAG	AGG	GCC	ACC	CCT	TGA	GGG	216
180						189		198							207				
225	TGG	CCA	GGC	CCC	CAG	TGG	CCA	ACC	TGA	GTG	CTG	CCT	CTG	CCA	GCC	CTG	CTG	270	
234						243		252							261				
279	GCC	CCT	GGT	TCC	GCT	GGC	CCC	CCA	GAT	GCC	TGG	CTG	AGA	CAC	GCC	AGT	GGC	CTC	324
288						297		306							315				
333	AGC	TGC	CCA	CAC	CTC	TTC	CCG	GCC	CCT	GAA	GTT	GGC	ACT	GCA	GAC	AGC	TCC	378	
342						351		360							369				
387	CTG	GGC	ACC	AGG	CAG	CTA	ACA	GAC	ACA	GCC	GCC	AGC	CCA	AAC	AGC	AGC	GGC	ATG	432
396						405		414							423				
																			M

FIGURE 1A

441	450	459	468	477	486
GGC AGC GCC AGC CCG GGT CTG AGC GTA TCC CCC AGC CAC CTC CTG CTG CCC					
G S A S P G G L S S V S P S H L L L P					
495	504	513	522	531	540
CCC GAC ACG GTG TCG CGG ACA GGC TTG GAG AAG GCG GCA GCG GCA GTG GGT					
P D T V S R T G L E K A A A G A V G					
549	558	567	576	585	594
CTC GAG AGA CGG GAC TGG AGT CCC AGT CCA CCC AGC CCC GAG CAG GGC CTG					
L E R R D W S S P S P P A T P E Q G L					
603	612	621	630	639	648
TCC GCC TTC TAC CTC TCC TAC TTT GAC ATG CTG TAC CCT GAG GAC AGC AGC TGG					
S A F Y L S Y F D M L Y P E D S S W					
657	666	675	684	693	702
GCA GCC AAG GCC CCT GCG GCC AGC AGT CGG GAG GAG CCA CCT GAG GAG CCT GAG					
A A K A P G G A S S R E E P P E P E					
711	720	729	738	747	756
CAG TGC CCG GTC ATT GAC AGC CAA GCC CCA GCG AGC CTG GAC TTG GTG CCC					
Q C P V I D S Q A P A G S L D L V P					
765	774	783	792	801	810
GGC GGG CTG ACC TTG GAG GAG CAC TCG CTG GAG CAG GTG CAG TCC ATG GTG GTG					
G G L T L E E H S L E Q V Q S M V V					

FIGURE 1B

819	828	837	846	855	864
GGC GAA GTG CTC AAG GAC ATC GAG ACG GCC TGC AAG CTG CTC AAC ATC ACC GCA					
G E V L K D I E T A C K L L N I T A					
873	882	891	900	909	918
GAT CCC ATG GAC TGG AGC CCC AGC AAT GTG CAG AAG TGG CTC CTG TGG ACA GAG					
D P M D W S S P S N V Q K W L L W T E					
927	936	945	954	963	972
CAC CAA TAC CGG CTG CCC CCC ATG GGC AAG GCC TTC CAG GAG CTG GCG GGC AAG					
H Q Y R L P P M G K A F Q E L A G K					
981	990	999	1008	1017	1026
GAG CTG TGC GCC ATG TCG GAG GAG CAG TTC CGC CAG CGC TCG CCC CTG GGT GGG					
E L C A M S S E E Q F R Q R S P L G G					
1035	1044	1053	1062	1071	1080
GAT GTG CTG CAC GCC CAC CTG GAC ATC TGG AAG TCA GCG GCC TGG ATG AAA GAG					
D V L H A H A H L D I W K S A A W M K E					
1089	1098	1107	1116	1125	1134
CGG ACT TCA CCT GGG GCG ATT CAC TAC TGT GCC TCG ACC AGT GAG GAG AGC TGG					
R T S P G A I H Y C A S T S E E S W					
1143	1152	1161	1170	1179	1188
ACC GAC AGC GAG GTG GAC TCA TCA TGC TCC GGG CAG CCC ATC CAC CTG TGG CAG					
T D S E V D S S C S G Q Q P I H L W Q					

FIGURE 1C

1197	1206	1215	1224	1233	1242
TTC CTC AAG GAG TTG CTA CTC AAG CCC CAC AGC TAT GGC CGC TTC ATT AGG TGG					
F L K E L L L K P H S Y G R F I R W					
1251	1260	1269	1278	1287	1296
CTC AAC AAG GAG AAG GGC ATC TTC AAA ATT GAG GAC TCA GCC CAG GTG GCC CGG					
L N K E K G I F K I E D S A Q V A R					
1305	1314	1323	1332	1341	1350
CTG TGG GGC ATC CGC AAG AAC CGT CCC GCC ATG AAC TAC GAC AAG CTG AGC CGC					
L W G I R K N R P A M N Y D K L S R					
1359	1368	1377	1386	1395	1404
TCC ATC CGC CAG TAT TAC AAG AAG GGC ATC ATC CGG AAG CCA GAC ATC TCC CAG					
S I R Q Y Y K Y K G I I R K P D I S Q					
1413	1422	1431	1440	1449	1458
CGC CTC GTC TAC CAG TTC GTG CAC CCC ATC TGA GTG CCT GGC CCA GGG CCT GAA					
R L V Y Q F V H P I					
1467	1476	1485	1494	1503	1512
ACC CGC CCT CAG GGC CCT CTC CTC TCC TGC CTG CCC TGC CTC AGC CAG GCC CTG AGA					
1521	1530	1539	1548	1557	1566
TGG GGG AAA ACG GGC AGT CTG CTC TGC TGC TCT GAC CTT CCA GAG CCC AAG GTC					

FIGURE 1D

1575	1584	1593	1602	1611	1620
AGG GAG GGG CAA CCA ACT GCC CCA GGG GGA TAT GGG TCC TCT GGG GCC TTC GGG					
1629	1638	1647	1656	1665	1674
ACC CTG GGG CAG GGG TGC TTC CTC CTC AGG CCC AGC TGC TCC CCT GGA GGA CAG					
1683	1692	1701	1710	1719	1728
AGG GAG ACA GGG CTG CTC CCC AAC ACC TGC CTC TGA CCC CAG CAT TTC CAG AGC					
1737	1746	1755	1764	1773	1782
AGA GCC TAC AGA AGG GCA GTG ACT CGA CAA AGG CCA CAG GCA GTC CAG GCC TCT					
1791	1800	1809	1818	1827	1836
CTC TGC TCC ATC CCC CTG CCT CCC ATT CTG CAC CAC ACC TGG CAT GGT GCA GGG					
1845	1854	1863	1872	1881	1890
AGA CAT CTG CAC CCC TGA GTT GGG CAG CCA GGA GTG CCC CCG GGA ATG GAT AAT					
1899					
AAA GAT ACT AGG CGC 3'					

FIGURE 1E

249	I H L W Q F L K E L L L K P H S Y G R F I R W L N K E K G I	1813005
26	I H L W Q F L K E L L A S P Q V N G T A I R W I D R S K G I	GI 157196
339	R L L W D Y V Y Q L L S D S R - Y E N F I R W E D K E S K I	GI 511283
279	F K I E D S A Q V A R L W G I R K N R P A M N Y D K L S R S	1813005
56	F K I E D S V R V A K L W G R R K N R P A M N Y D K L S R S	GI 157196
368	F R I V D P N G L A R L W G N H K N R T N M T Y E K M S R A	GI 511283
309	I R Q Y Y K K G I I R K P D I S Q R L V Y Q F V	1813005
86	I R Q Y Y K K G I M K K T E R S Q R L V Y Q F C	GI 157196
398	L R H Y Y K L N I I R K - E P G Q R L L F R F M	GI 511283

FIGURE 2